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OM nucleic - nucleic search, using sw model

Run on: July 21, 2004, 05:22:42 ; Search time 78 Seconds
(without alignments)
4254.624 Million cell updates/sec

Title: US-09-920-953-2
Perfect score: 598
Sequence: 1 GCGCTGCTGCGAGCGGCG.....AGCCATTTTCGCCAAGGCC 598

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA: *
1: /cgn2_6/prodata/2/ina/5A_COMB.seq: *
2: /cgn2_6/prodata/2/ina/5B_COMB.seq: *
3: /cgn2_6/prodata/2/ina/5A_COMB.seq: *
4: /cgn2_6/prodata/2/ina/5B_COMB.seq: *
5: /cgn2_6/prodata/2/ina/ECTUS_COMB.seq: *
6: /cgn2_6/prodata/2/ina/backfiles1.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	46.4	7.8	4403765	3	US-09-103-840A-2
C 2	46.4	7.8	4411529	3	US-09-103-840A-1
C 3	42.2	7.1	759	4	US-09-252-991A-11092
C 4	42	7.0	1058	4	US-09-452-239-11
C 5	41.6	7.0	1280	3	US-09-096-776B-4
C 6	41.6	7.0	1280	4	US-09-923-922-4
C 7	41.6	7.0	1491	3	US-09-082-092-9
C 8	41.6	7.0	1491	4	US-09-885-722A-9
C 9	41.6	7.0	1524	3	US-08-840-767-3
C 10	41.6	7.0	1817	4	US-09-288-292A-45
C 11	41.6	7.0	2887	4	US-09-679-298A-1
C 12	41.6	7.0	3083	2	US-08-480-994-36
C 13	41.6	7.0	3083	2	US-08-616-844-36
C 14	41.6	7.0	3083	2	US-08-599-654-36
C 15	41.6	7.0	3083	2	US-08-485-573-36
C 16	41.6	7.0	3083	3	US-08-944-868A-36
C 17	41.6	7.0	3083	3	US-08-944-423A-36
C 18	41.6	7.0	3083	3	US-08-925-743-36
C 19	41.6	7.0	3083	3	US-08-944-495-36
C 20	41.6	7.0	3083	3	US-08-925-767-36
C 21	41.6	7.0	3084	3	US-08-826-246-11
C 22	41.6	7.0	3084	3	US-08-944-994-11
C 23	41.6	7.0	3084	3	US-09-126-640-6
C 24	41.6	7.0	3084	3	US-08-925-588-11
C 25	41.6	7.0	3084	4	US-09-288-292A-6
C 26	41.6	7.0	3084	4	US-09-372-044-11
C 27	41.6	7.0	3084	4	US-08-825-486-11

C 28 40.8 6.8 792 4 US-09-252-991A-10543
C 29 40.8 6.8 804 4 US-09-252-991A-10323
C 30 40 6.7 615 4 US-09-252-991A-10582
C 31 40 6.7 984 4 US-09-252-991A-10475
C 32 40 6.7 2778 4 US-09-252-991A-10486
C 33 40 6.7 3339 4 US-09-252-991A-10685
C 34 39.8 6.7 459 4 US-09-614-912-59
C 35 39.8 6.7 790 4 US-08-232-463-14
C 36 39 6.5 7218 1 US-08-232-463-14
C 37 38.6 6.5 1152 4 US-09-252-991A-4054
C 38 38.6 6.5 1377 4 US-09-252-991A-4084
C 39 38.6 6.5 1554 4 US-09-252-991A-1558
C 40 38.6 6.5 2037 4 US-09-252-991A-4122
C 41 38.6 6.5 2181 4 US-09-252-991A-4104
C 42 38.6 6.5 2346 4 US-09-252-991A-1466
C 43 38.4 6.4 423 1 US-08-470-179-186
C 44 38.4 6.4 1588 4 US-09-490-231-7
C 45 38.2 6.4 1260 4 US-09-252-991A-928

ALIGNMENTS

RESULT 1
US-09-103-840A-2/c
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/091103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

Query Match 7.8%; Score 46.4; DB 3; Length 4403765;
Best Local Similarity 50.9%; Pred. No. 0.067;
Matches 110; Conservative 0; Mismatches 106; Indels 0; Gaps 0;
QY 51 ATGCGGCGCAAGAGCTGTTGATGACCTGGCGGCGCAGAGGATGAAGCTGGCGGT 110
DB 1744933 ACGTGAGCCGATGAGCATCTACGACAGATCGCGGCGCATGAGCCATCGAAGTCGCGT 1744874
QY 111 TGACACCTTACGATAAGGTGCTGCTGACCGGAGCTGCTGCCCTTCTTCAGTCCCT 170
DB 1744873 CGAGGATCTTATGTTGCTGCTTCCGATGACCACTATCGCCCTTCTTCAGCGGTAC 1744814
QY 171 GGACATCAAGAGCAGAGATGAAGCAGGTCAAGTTCATGAGCTTCGTGTTTGGCGGAGC 230
DB 1744813 GAACATGAGCGGCTCAAGGCGCAAGCAGGTGGAGTTTTCGCGCGCGCGCTTGGCGGCCC 1744754
QY 231 AGACCAATCAAGGCGCGAAGCATGTATGACGACACA 266
DB 1744753 CGAGCCCTATACCGGTGCGCCGATGAAGCAAGTCCA 1744718

RESULT 2
US-09-103-840A-1/c
; Sequence 1, Application US/09103840A

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; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FRISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4411529
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; OTHER INFORMATION: H37RV
; US-09-103-840A-1

Query Match 7.8%; Score 46.4; DB 3; Length 4411529;
Best Local Similarity 50.9%; Pred. No. 0.067;
Matches 110; Conservative 0; Mismatches 106; Indels 0; Gaps 0;

QY 51 ATCGGGCGCAAGAGCTTTGATGACCTGGGGGGCGGAGGAGGATGAGCTGGCGGT 110
DB 1744808 ACGTGACCGATCAGCATCTACGACAGATCGCGGGCGATGAGGCCATGAGTCTCGT 1744749

QY 111 TGACACCTTCTACATAAGCTGCTGGTGACCGGAGCTGCTCCCTTCTTCGAGTCCCT 170
DB 1744748 CGAGGACTTTATGTTGCTGCTGCTGCGATGACCACTATCGCTTCTTCAGCGGTAC 1744689

QY 171 GGACATCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 230
DB 1744688 GAACATGAGCGGCTCAAGGGGCAAGCAGAGTGAGTGTTCGCGCGCGCTTGGCGGGC 1744629

QY 231 AGACCATACAGAGGCGGAGAGCATGTACGACGACCA 266
DB 1744628 CGAGCCCTATACCGTGCGCGGATGAAGCAAGTCCA 1744593

RESULT 3
US-09-252-991A-11092
; Sequence 11092, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 11092
; LENGTH: 759
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
; US-09-252-991A-11092

Query Match 7.1%; Score 42.2; DB 4; Length 759;
Best Local Similarity 51.9%; Pred. No. 0.055;
Matches 95; Conservative 0; Mismatches 88; Indels 0; Gaps 0;

QY 53 GCGGGCGCAAGAGCTTTGATGACCTGGCGGGCGGAGGAGGATGAGCTGAGCTGGCGGTG 112
DB 500 GCGAGCCGCAAGTGTGCGCGGCGGAGGCGGAGCGTGGCGGAGCGCTACTCGCGGGTA 559

QY 113 ACACCTTCTACATAAGTGTGCTGACCGGAGCTGCTGCCCTTCTTCGAGTCCCTGG 172

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DB 560 CCGCTCGCTGGGAGCGGAGCTGGGCTACTTGCACCTGCGACAGACTTTCGCGGCTGC 619
QY 173 ACATGCAAGAGCAGAGATGAAGCAGGTCAAGTTCATGAGCTTCGTGTTTGGCGGAGCAG 232
DB 620 ATCGACACCTGGAGAGCTGGAGCAGGACCGCGGTGCGCTTCGCCCATGCCATCGAGG 679
QY 233 ACC 235
DB 680 ATC 682

RESULT 4
US-09-452-239-11
; Sequence 11, Application US/09452239
; Patent No. 6465229
; GENERAL INFORMATION:
; APPLICANT: Rafalski, Antoni J.
; APPLICANT: Fader, Gary M.
; APPLICANT: Cahoon, Rebecca E.
; TITLE OF INVENTION: Plant Caffeoyl-CoA O-Methyltransferase
; FILE REFERENCE: BE1284 US NA
; CURRENT APPLICATION NUMBER: US/09/452,239
; CURRENT FILING DATE: 1999-12-01
; EARLIER APPLICATION NUMBER: 60/110,594
; EARLIER FILING DATE: 1998-December-02
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 11
; LENGTH: 1058
; TYPE: DNA
; ORGANISM: Oryza sativa
; US-09-452-239-11

Query Match 7.0%; Score 42; DB 4; Length 1058;
Best Local Similarity 52.9%; Pred. No. 0.069;
Matches 90; Conservative 0; Mismatches 80; Indels 0; Gaps 0;

QY 162 CGAGTCCCTGGACATGCAAGAGCAGAGAGATGAAGCAGGTCAAGTTCATGAGCTTCGTGT 221
DB 619 CAATACCTCAACTACCAAGAGCGGTGATGAAGTGTGCAAGGTGCGCGCTCGTCGG 678

QY 222 TGGCGGAGCAGACCAATACAGGCGGCGGAGATGAGCAGCAGCAGCAGCAGCAGTGTG 281
DB 679 CTACGACAAACAGCTCTGGAACGGCTCGTGTCTCCCGCGCGCGCCCATCGCAA 738

QY 282 GGGCCAGCGGCTGGACACACCGCCACTTTGACAAGATCAAGCAGTACCTTG 331
DB 739 GTACATCGCTACTACCGGACTTCGTGCTCGAGCTCAACAAGGCCCTCG 788

RESULT 5
US-09-096-776B-4
; Sequence 4, Application US/09096776B
; Patent No. 6270994
; GENERAL INFORMATION:
; APPLICANT: Miyazono, Kohei
; APPLICANT: Kawabata, Masahiro
; TITLE OF INVENTION: SMAD6 AND USES THEREOF
; FILE REFERENCE: L0461/7038
; CURRENT APPLICATION NUMBER: US/09/096,776B
; CURRENT FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: US 60/049,990
; PRIOR FILING DATE: 1997-06-13
; PRIOR APPLICATION NUMBER: US 60/053,040
; PRIOR FILING DATE: 1997-07-18
; PRIOR APPLICATION NUMBER: US 60/066,173
; PRIOR FILING DATE: 1997-11-18
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 1280
; TYPE: DNA
; ORGANISM: Homo sapiens

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US-09-096-776B-4

Query Match 7.0%; Score 41.6; DB 3; Length 1280;
Best Local Similarity 52.7%; Pred. No. 0.093;
Matches 89; Conservative 0; Mismatches 80; Indels 0; Gaps 0;
QY 266 ACGCCCATCTGTTCAAGGGCCAGCGCTGGACACCGCCACTTTGACAAAGATCAAGCAGT 325
Db 405 ACCTACCTCAGGGCAGCGCTTCTGCTGGCCAGCTCAACCTGGAGCAGCGCAGT 464
QY 326 ACCTTGAGAGACGCTGCAAGAGATGGCGTCAAGCAGGATGTGATCCAGCAGCGCGCG 385
Db 465 CGGTGGCGGCAACCGCGCAGCAAGATCGGCTTCGGCATCTGCTCAGCAAGGAGCGCGAG 524
QY 386 GAGTGTGGAGTCCACCGCGAGCAATTGACTTNCACCAACTGCGC 434
Db 525 GCGTGTGGCGCTACACCGCGGCGAGCACCCCATCTTCGTAACCTCCCC 573

RESULT 6

US-09-923-922-4
; Sequence 4, Application US/09923922
; Patent No. 6534476
; GENERAL INFORMATION:
; APPLICANT: Miyazono, Kohei
; APPLICANT: Kawabata, Masahiro
; TITLE OF INVENTION: SMAD6 AND USES THEREOF
; FILE REFERENCE: L0461/7120
; CURRENT APPLICATION NUMBER: US/09/923,922
; CURRENT FILING DATE: 2001-08-07
; PRIOR APPLICATION NUMBER: 09/096,776
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: US 60/049,990
; PRIOR FILING DATE: 1997-06-13
; PRIOR APPLICATION NUMBER: US 60/053,040
; PRIOR FILING DATE: 1997-07-18
; PRIOR APPLICATION NUMBER: US 60/066,173
; PRIOR FILING DATE: 1997-11-18
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 4
; LENGTH: 1280
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-923-922-4

Query Match 7.0%; Score 41.6; DB 4; Length 1280;
Best Local Similarity 52.7%; Pred. No. 0.093;
Matches 89; Conservative 0; Mismatches 80; Indels 0; Gaps 0;
QY 266 ACGCCCATCTGTTCAAGGGCCAGCGCTGGACACCGCCACTTTGACAAAGATCAAGCAGT 325
Db 405 ACCTACCTCAGGGCAGCGCTTCTGCTGGCCAGCTCAACCTGGAGCAGCGCAGT 464
QY 326 ACCTTGAGAGACGCTGCAAGAGATGGCGTCAAGCAGGATGTGATCCAGCAGCGCGCG 385
Db 465 CGGTGGCGGCAACCGCGCAGCAAGATCGGCTTCGGCATCTGCTCAGCAAGGAGCGCGAG 524
QY 386 GAGTGTGGAGTCCACCGCGAGCAATTGACTTNCACCAACTGCGC 434
Db 525 GCGTGTGGCGCTACACCGCGGCGAGCACCCCATCTTCGTAACCTCCCC 573

RESULT 7

US-09-082-092-9
; Sequence 9, Application US/09082092
; Patent No. 6251628
; GENERAL INFORMATION:
; APPLICANT: Nakao, Atsuhito
; APPLICANT: Moren, Anita
; APPLICANT: Heuchel, Rainer
; APPLICANT: Itoh, Susumu
; APPLICANT: Afrakhte, Morzghan

; APPLICANT: Souchelnytskyi, Serhiy
; APPLICANT: Brodin, Greger
; APPLICANT: Landstrom, Marene
; APPLICANT: Heldin, Nils-Erik
; APPLICANT: Heldin, Carl-Henrik
; APPLICANT: ten Dijke, Peter
; TITLE OF INVENTION: SMAD7 AND USES THEREOF
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; CITY: Boston
; STATE: MA
; COUNTRY: U.S.A.
; ZIP: 02210-2211
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/082,092
; FILING DATE: 20-MAY-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/047,221
; FILING DATE: 20-MAY-1997
; APPLICATION NUMBER: 60/060,465
; FILING DATE: 30-SEP-1997
; APPLICATION NUMBER: 60/075,940
; FILING DATE: 25-FEB-1998
; APPLICATION NUMBER: 60/077,033
; FILING DATE: 06-MAR-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Van Amsterdam, John R.
; REGISTRATION NUMBER: 40,212
; REFERENCE/DOCKET NUMBER: L0461/7032
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-720-3500
; TELEFAX: 617-720-2441
; TELEX:
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1491 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-09-082-092-9

Query Match 7.0%; Score 41.6; DB 3; Length 1491;
Best Local Similarity 52.7%; Pred. No. 0.097;
Matches 89; Conservative 0; Mismatches 80; Indels 0; Gaps 0;
QY 266 ACGCCCATCTGTTCAAGGGCCAGCGCTGGACACCGCCACTTTGACAAAGATCAAGCAGT 325
Db 1076 ACCTACCTCAGGGCAGCGCTTCTGCTGGCCAGCTCAACCTGGAGCAGCGCAGT 1135
QY 326 ACCTTGAGAGACGCTGCAAGAGATGGCGTCAAGCAGGATGTGATCCAGCAGCGCGCG 385
Db 1136 CGGTGGCGGCAACCGCGCAGCAAGATCGGCTTCGGCATCTGCTCAGCAAGGAGCGCGAG 1195
QY 386 GAGTGTGGAGTCCACCGCGAGCAATTGACTTNCACCAACTGCGC 434
Db 1196 GCGTGTGGCGCTACACCGCGGCGAGCACCCCATCTTCGTAACCTCCCC 1244

RESULT 8

US-09-885-722A-9
; Sequence 9, Application US/09885722A
; Patent No. 6605443
; GENERAL INFORMATION:
; APPLICANT: Nakao, Atsuhito

APPLICANT: Helden, Carl-Henrik
APPLICANT: ten Dijke, Peter
TITLE OF INVENTION: SMAD7 AND USES THEREOF
FILE REFERENCE: L00461.70117.US
CURRENT APPLICATION NUMBER: US/09/885,722A
CURRENT FILING DATE: 2001-06-20
PRIOR APPLICATION NUMBER: US 09/082,092
PRIOR FILING DATE: 1998-05-20
PRIOR APPLICATION NUMBER: US 60/077,033
PRIOR FILING DATE: 1998-03-06
PRIOR APPLICATION NUMBER: US 60/075,940
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: US 60/060,465
PRIOR FILING DATE: 1997-09-30
PRIOR APPLICATION NUMBER: US 60/047,221
PRIOR FILING DATE: 1997-05-20
NUMBER OF SEQ ID NOS: 16
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 9
LENGTH: 1491
TYPE: DNA
ORGANISM: Homo sapiens
US-09-885-722A-9

Query Match 7.0%; Score 41.6; DB 4; Length 1491;
Best Local Similarity 52.7%; Pred. No. 0.097;
Matches 89; Conservative 0; Mismatches 80; Indels 0; Gaps 0;

QY 266 ACGCCCATCTGGTCAAGGGCCAGCGCTGACAGAGATGGCTCAAGCAGGATGTGATCCAGCAGCGCCGCG 325
DB 1076 ACTTACCTCAGGCGAGCGGCTTCTGCTGGCCAGCTCAACCTGGAGCAGCGCAGCGAGT 1135

QY 326 ACCTTGGAGAGCGCTCAAGAGATGGGCTCAAGCAGGATGTGATCCAGCAGCGCCGCG 385
DB 1136 CGGTGGCGGACCGGAGCAGAGATCGGCTTCGGCATCTCTGTCAGCAGGAGCCCGCAG 1195

QY 386 GAGTGGTGGAGTCCACCGCGAGAGAAATTTGACTTNNCCAAACAAGTGGCG 434
DB 1196 GCGTGTGGGCTACACACCGCGGAGCAGCAGCCCATCTTCTGTCACACTGCCC 1244

RESULT 9
US-08-840-767-3
Sequence 3, Application US/08840767B
Patent No. 6255464
GENERAL INFORMATION:
APPLICANT: Vogelstein, Bert
APPLICANT: Kinzler, Kenneth W.
APPLICANT: Riggs, Gregory J.
APPLICANT: Thiagalingam, Sam
TITLE OF INVENTION: MAD-Related Genes in the Human
FILE REFERENCE: 01107.05548
CURRENT APPLICATION NUMBER: US/08/840,767B
CURRENT FILING DATE: 1997-04-16
EARLIER APPLICATION NUMBER: 60/015,823
EARLIER FILING DATE: 1996-04-18
NUMBER OF SEQ ID NOS: 53
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 3
LENGTH: 1524
TYPE: DNA
ORGANISM: Homo sapiens
US-08-840-767-3

Query Match 7.0%; Score 41.6; DB 3; Length 1524;
Best Local Similarity 52.7%; Pred. No. 0.098;
Matches 89; Conservative 0; Mismatches 80; Indels 0; Gaps 0;

QY 266 ACGCCCATCTGGTCAAGGGCCAGCGCTTGGACACCGCCACTTTGACAAGATCAAGCAGT 325
DB 649 ACTTACCTCAGGCGAGCGGCTTCTGCTGGCCAGCTCAACCTGGAGCAGCGCAGCGAGT 708

QY 326 ACCTTGGAGAGCGCTCAAGAGATGGCGCTCAAGCAGGATGTGATCCAGCAGCGCCGCG 385

DB 709 CGGTGGCGGAGACCGGAGCAGAGATCGGCTTCGCATCTCTCAGCAAGAGCCCGACG 768
QY 386 GAGTGGTGGAGTCCACCGCGAGCGAAATTTGACTTNNCCAAACAAGTGGCG 434
DB 769 GCGTGTGGGCTTACAAACCGCGGAGCAGCAGCCCATCTTCTGTCACACTGCCC 817

RESULT 10
US-09-288-292A-45
Sequence 45, Application US/09288292A
Patent No. 6359194
GENERAL INFORMATION:
APPLICANT: Dean A. Falb
APPLICANT: Katherine Galvin
APPLICANT: Michael Donovan
APPLICANT: Dennis Huszar
APPLICANT: Michael A. Gimbrone, Jr.
TITLE OF INVENTION: Compositions and Methods for the Treatment and Diagnosis of
FILE REFERENCE: 7853-140-999
CURRENT APPLICATION NUMBER: US/09/288,292A
CURRENT FILING DATE: 1999-04-08
PRIOR APPLICATION NUMBER: 08/870,434
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 08/799,910
PRIOR FILING DATE: 1997-02-13
PRIOR APPLICATION NUMBER: 60/011,787
PRIOR FILING DATE: 1996-02-16
PRIOR APPLICATION NUMBER: 08/485,573
PRIOR FILING DATE: 1995-06-07
PRIOR APPLICATION NUMBER: 08/386,844
PRIOR FILING DATE: 1995-02-10
NUMBER OF SEQ ID NOS: 46
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 45
LENGTH: 1817
TYPE: DNA
ORGANISM: Homo sapiens
US-09-288-292A-45

Query Match 7.0%; Score 41.6; DB 4; Length 1817;
Best Local Similarity 52.7%; Pred. No. 0.1;
Matches 89; Conservative 0; Mismatches 80; Indels 0; Gaps 0;

QY 266 ACGCCCATCTGGTCAAGGGCCAGCGCTTGGACACCGCCACTTTGACAAGATCAAGCAGT 325
DB 1230 ACCTACCTCAGGCGAGCGGCTTCTGCTGGCCAGCTCAACCTGGAGCAGCGCAGCGAGT 1289

QY 326 ACCTTGGAGAGCGCTCAAGAGATGGGCTCAAGCAGGATGTGATCCAGCAGCGCCCGCG 385
DB 1290 CGGTGGCGGAGCAGCGGCTTGGCATCTCTGTCAGCAGGAGCCCGACG 1349

QY 386 GAGTGGTGGAGTCCACCGCGAGCGAAATTTGACTTNNCCAAACAAGTGGCG 434
DB 1350 GCGTGTGGGCTTACAAACCGCGGAGCAGCAGCCCATCTTCTGTCACACTGCCC 1398

RESULT 11
US-09-679-298A-1
Sequence 1, Application US/09679298A
Patent No. 6566131
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Lex M. Cowser
TITLE OF INVENTION: ANTISENSE MODULATION OF SMAD6 EXPRESSION
FILE REFERENCE: RTS-0045
CURRENT APPLICATION NUMBER: US/09/679,298A
CURRENT FILING DATE: 2001-03-05
NUMBER OF SEQ ID NOS: 47
SEQ ID NO 1
LENGTH: 2887
TYPE: DNA

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; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (937) .. (2427)
US-09-679-298A-1

Query Match
Best Local Similarity 7.0%; Score 41.6; DB 4; Length 2887;
Matches 89; Conservative 0; Mismatches 80; Indels 0; Gaps 0;

QY 266 AGCCCATCTGTGTCAGGCGCCAGCGCTTGACACCGCCCACTTTGACAAGATCAAGCAGT 325
Db 2012 ACCTACCTCAGGCGAGCGGCTTCTGCTGGGCCAGCTCAACCTGGAGCAGCGCAGGAGT 2071
QY 326 ACCTTGAGAGACCTGCAAGAGATGGCGTCAAGCAGGATGTGATCCAGCAGCGCCGCG 385
Db 2072 CGGTGGCGGCAACCGCAGCAGAGATCGGCTTCGGCATCTCTGCTCAGCAGGAGCGCGAGC 2131
QY 386 GAGTGGTGGAGTCCACCGCGACGAATTTGACTTNCACCAACTGGCG 434
Db 2132 GCGTGGGCTCAACCGCGGCGAGCACCCCATCTTCGTCNACTCCCC 2180

RESULT 12
US-08-480-994-36
; Sequence 36, Application US/08480994
; Patent No. 5834248
; GENERAL INFORMATION:
; APPLICANT: FALB, DEAN A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
; TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF CARDIOVASCULAR DISEASE
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,994
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/485,573
; FILING DATE: 07-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/386,844
; FILING DATE: 10-FEB-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7853-033
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3083 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: unknown
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 16
; FEATURE:

; NAME/KEY: misc_feature
; LOCATION: 30
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 2911
US-08-480-994-36

Query Match
Best Local Similarity 7.0%; Score 41.6; DB 2; Length 3083;
Matches 89; Conservative 0; Mismatches 80; Indels 0; Gaps 0;

QY 266 AGCCCATCTGTGTCAGGCGCCAGCGCTTGACACCGCCCACTTTGACAAGATCAAGCAGT 325
Db 1324 ACCTACCTCAGGCGAGCGGCTTCTGCTGGGCCAGCTCAACCTGGAGCAGCGCAGGAGT 1383
QY 326 ACCTTGAGAGACCTGCAAGAGATGGCGTCAAGCAGGATGTGATCCAGCAGCGCCGCG 385
Db 1384 CGGTGGCGGCAACCGCAGCAGAGATCGGCTTCGGCATCTCTGCTCAGCAGGAGCGCGAGC 1443
QY 386 GAGTGGTGGAGTCCACCGCGCAGCAGATTTGACTTNCACCAACTGGCG 434
Db 1444 GCGTGGGCTCAACCGCGGCGAGCACCCCATCTTCGTCNACTCCCC 1492
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; MOLECULE TYPE: cdna
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 16
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 30
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 2911
; US-08-616-844-36

Query Match          7.0%; Score 41.6; DB 2; Length 3083;
Best Local Similarity 52.7%; Pred. No. 0.12;
Matches 89; Conservative 0; Mismatches 80; Indels 0; Gaps 0;

QY 266 ACGCCCATCTGTCAGGCGCCAGCGCTTGACACGCCCACTTTGACAAGATCAAGCAGT 325
DB 1324 ACCTACCTCAGGCGCGGCTTCTGCTGGGCGAGCTCAACCTGGAGCAGCGCAGT 1383
QY 326 ACCTTGGAGAGACGCTGCAAGAGATGGCGCTCAAGCAGGATGTGATCCAGCAGCCGCCG 385
DB 1384 CGGTGCGGCGAAGCGGCGAGGATCGGCTTCGGCATCTCTGCTCAGCAAGGAGCGCGAGC 1443
QY 386 GAGTGTGGAGTCCACCGGCGAGCAATTTGACTTNCACCAACTGGCC 434
DB 1444 GCGTGTGGGCTTACACCGGCGAGCAGCACTCTTCTGTCAACTCCCC 1492
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US-08-599-554-36
; Sequence 36, Application US/08599554
; Patent No. 5882925
; GENERAL INFORMATION:
; APPLICANT: FALB, DEAN A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
; TREATMENT AND DIAGNOSIS OF CARDIOVASCULAR DISEASE
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/599,554
; FILING DATE: 09-FEB-1996
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/485,573
; FILING DATE: 07-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/386,844
; FILING DATE: 10-FEB-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: CORUZZI, LAURA A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7853-041
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3083 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: unknown
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; MOLECULE TYPE: cdna
; FEATURE:
; NAME/KEY: misc_feature
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; LOCATION: 30
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 2911
; US-08-599-654-36

Query Match          7.0%; Score 41.6; DB 2; Length 3083;
Best Local Similarity 52.7%; Pred. No. 0.12;
Matches 89; Conservative 0; Mismatches 80; Indels 0; Gaps 0;

QY 266 ACGCCCATCTGTCAGGCGCCAGCGCTTGACACGCCCACTTTGACAAGATCAAGCAGT 325
DB 1324 ACCTACCTCAGGCGCGGCTTCTGCTGGGCGAGCTCAACCTGGAGCAGCGCAGT 1383
QY 326 ACCTTGGAGAGACGCTGCAAGAGATGGCGCTCAAGCAGGATGTGATCCAGCAGCCGCCG 385
DB 1384 CGGTGCGGCGAAGCGGCGAGGATCGGCTTCGGCATCTCTGCTCAGCAAGGAGCGCGAGC 1443
QY 386 GAGTGTGGAGTCCACCGGCGAGCAATTTGACTTNCACCAACTGGCC 434
DB 1444 GCGTGTGGGCTTACACCGGCGAGCAGCACTCTTCTGTCAACTCCCC 1492
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RESULT 15
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; Sequence 36, Application US/08485573
; Patent No. 5968770
; GENERAL INFORMATION:
; APPLICANT: FALB, DEAN A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
; TREATMENT AND DIAGNOSIS OF CARDIOVASCULAR DISEASE
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/485,573
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/386,844
; FILING DATE: 10-FEB-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: CORUZZI, LAURA A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7853-032
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3083 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: unknown
; MOLECULE TYPE: cdna
; FEATURE:
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; NAME/KEY: misc_feature
; LOCATION: 16
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 30
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 2911
; US-08-485-573-36

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Query Match      7.0%; Score 41.6; DB 2; Length 3083;
Best Local Similarity 52.7%; Pred. No. 0.12; 80; Indels 0; Gaps 0;
Matches 89; Conservative 0; Mismatches 80; Indels 0; Gaps 0;

Qy 266 ACGCCCATCTGGTCAAGGGCCAGCGCTGGACCAACCGCCACTTTGACAAGATCAAGCAGT 325
Db 1324 ACCTACCTCAGGGCAGCGGCTTCTGCTGGGCCAGCTCAACCTGGAGCAGCGCAGGAGT 1383

Qy 326 ACCTTGGAGAGCGCTGCAAGAGATGGGCGTCAAGCAGGATGTATCCAGCAGCGCGCG 385
Db 1384 CGGTGGCGGCAAGCGGAGCAAGATGGGCTTCGGCATCTCTGCTCAGCAAGGAGCGCGAGC 1443

Qy 386 GAGTGGTGGAGTCCACCGCGAGCAATTGACTTNCACCAACTGCGC 434
Db 1444 GCGTGTGGGCTACACCGCGGAGCAGCCCATCTTGTCAACTCCCC 1492

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Search completed: July 21, 2004, 07:52:34
Job time : 90 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: July 21, 2004, 06:18:36 ; Search time 356 Seconds
(without alignments)

8194.995 Million cell updates/sec

Title: US-09-920-953-2

Perfect score: 598

Sequence: 1 GCGTGCCTGACGACGCGG.....AGCATTTCGCCAAGCC 598

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 3191023 seqs, 2439312756 residues

Total number of hits satisfying chosen parameters: 6382046

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:

- 1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
- 2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
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- 10: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq:*
- 11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:*
- 12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
- 13: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq2:*
- 14: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq:*
- 15: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:*
- 16: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq:*
- 17: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
- 18: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
- 19: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	74.4	12.4	372	13	US-10-282-122A-25335 Sequence 25335, A
2	50	8.4	2466	15	US-10-156-761-5788 Sequence 5788, Ap
3	50	8.4	9025608	15	US-10-156-761-1 Sequence 1, Appli
C	47.6	8.0	2256646	17	US-10-470-565-1 Sequence 1, Appli
4	47.4	7.9	548	17	US-10-437-963-94550 Sequence 94550, A
5	46.2	7.7	1209	16	US-10-369-493-32038 Sequence 32038, A
6	45.8	7.7	2209	17	US-10-437-963-68229 Sequence 68229, A
C	45.2	7.6	2238	17	US-10-437-963-97363 Sequence 97363, A
8	44.4	7.4	1445	17	US-10-437-963-35783 Sequence 35783, A
C	44.2	7.4	1000	17	US-10-389-566-49 Sequence 49, Appli
11	44.2	7.4	1377	16	US-10-369-493-39791 Sequence 39791, A
12	44.2	7.4	1395	16	US-10-369-493-39403 Sequence 39403, A
13	44.2	7.4	1404	16	US-10-369-493-39036 Sequence 39036, A
14	44.2	7.4	2055	17	US-10-389-566-235 Sequence 235, App

15	44	7.4	1368	17	US-10-437-963-7459
C	42.8	7.2	2645	17	US-10-437-963-95877
16	42.6	7.1	648	15	US-10-156-761-4532
17	42.6	7.1	2121	15	US-10-156-761-2429
18	42.6	7.1	9025608	15	US-10-156-761-1
C	42.6	7.1	25000	12	US-09-968-007A-215
19	42.4	7.1	1055	17	US-10-437-963-4170
20	42.2	7.1	1055	17	US-09-452-239-11
21	42.2	7.0	1060	17	US-10-437-963-62449
22	42	7.0	1060	17	US-10-437-963-33390
23	42	7.0	1483	17	US-10-354-437-31
24	42	7.0	1425	17	US-09-923-922-4
25	41.8	7.0	1280	9	US-09-954-456-1590
26	41.6	7.0	1280	9	US-10-390-553-4
27	41.6	7.0	1817	9	US-09-924-417-64
28	41.6	7.0	1817	9	US-10-667-741-45
29	41.6	7.0	1817	17	US-10-653-872-64
30	41.6	7.0	2887	15	US-10-327-805-1
31	41.6	7.0	2967	13	US-10-382-122A-14992
32	41.6	7.0	3083	9	US-09-371-900-36
33	41.6	7.0	3083	9	US-09-924-417-62
34	41.6	7.0	3083	9	US-09-970-820-36
35	41.6	7.0	3083	9	US-09-986-718-36
36	41.6	7.0	3083	15	US-10-186-950-36
37	41.6	7.0	3083	17	US-10-653-872-62
38	41.6	7.0	3084	8	US-08-835-486-11
39	41.6	7.0	3084	8	US-08-870-434-6
40	41.6	7.0	3084	10	US-09-372-044-11
41	41.6	7.0	3084	10	US-09-560-150-6
42	41.6	7.0	3084	15	US-10-067-741-6
43	41.6	7.0	3084	15	US-09-864-761-17688
44	41.6	6.9	353	9	
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ALIGNMENTS

RESULT 1

US-10-282-122A-25335
; Sequence 25335, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Chisen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22

;; PRIOR APPLICATION NUMBER: 60/267,636
;; PRIOR FILING DATE: 2001-02-09
;; PRIOR APPLICATION NUMBER: 60/269,308
;; PRIOR FILING DATE: 2001-02-16
;; Remaining Prior Application data removed - See File Wrapper or PALM.
;; NUMBER OF SEQ ID NOS: 78614
;; SOFTWARE: PatentIn version 3.1
;; SEQ ID NO 25335
;; LENGTH: 372
;; TYPE: DNA
;; ORGANISM: Legionella pneumophila
US-10-282-122A-25335

Query Match 12.4%; Score 74.4; DB 13; Length 372;
Best Local Similarity 54.0%; Pred. No. 6.8e-13;
Matches 175; Conservative 0; Mismatches 146; Indels 3; Gaps 1;

QY 68 TGTGTTGATGACCTGGGGGCGGCGAGAGGATGAGCTGGCGGTTGACACCTTCTACGATA 127
Db 14 TGTGTTGAGCGATTAGCGGCGCAAAATGCCGTCAACACAGCTGTGGATATTTTCTACCGCA 73

QY 128 AGTGTGCTGACCGGAGCTGTGCGCTTCTTCGAGTCCCTGGACATCAAGACAGA 197
Db 74 AAATGCTCTGGATGACAGAGTGAATATTTTGTATGACGTGGATATGAGCAACAA 133

QY 188 AGATGAGCAGGTCAGTTTCATGAGCTTCGTGTTTGGCGGAGCAGACCAATACAAGGGCC 247
Db 134 TCCTTAAGCAAAAGGATTTTAACCATGTGTTTGGCGGACCAATCAATCACTGGAA 193

QY 248 GAAGCATGTAGAGCGACAGCCCATCTGTGTAAGGGCCACGGCTGGACACCGGCAC 307
Db 194 AAAGTATGCGGAGGACATCAGCATCTACT---TGCCAGAGGCTTAAATGACTCACA 250

QY 308 TTGACAAAGATCAAGCAGTACTCTGGAGAGAGCTGCAAGAGATGGCGTCAAGCAGATG 367
Db 251 TGGATATGTAATCGACATTTAGGGAAACCTTAAGGAATTTGGCGCCNATGAAGAGG 310

QY 368 TGATCCAGCAGCGCGCGGAGTGG 391
Db 311 ACATTCAGAAAGTAGCTGCAATCG 334

RESULT 2
US-10-156-761-5788
; Sequence 5788, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
; APPLICANT: OMURA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HORIKAWA, HIROSHI
; APPLICANT: SHIBA, TADAYOSHI
; APPLICANT: SAKAKI, YOSHIYUKI
; APPLICANT: HATTORI, MASAHIRA
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-262
; CURRENT APPLICATION NUMBER: US/10/156,761
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: JP 2001-204089
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: JP 2001-272697
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 5788
; LENGTH: 2466
; TYPE: DNA
; ORGANISM: Streptomyces avermitilis
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2466)
US-10-156-761-5788

Query Match 8.4%; Score 50; DB 15; Length 2466;

Best Local Similarity 47.1%; Pred. No. 5.4e-05;
Matches 152; Conservative 0; Mismatches 171; Indels 0; Gaps 0;

QY 115 ACCTTCTACGATAAGGTGCTGGCTGACCCGGAGCTGTCGCCCTTTCTTGAGTCCCTGGAC 174
Db 421 ACCTCCCACTGCTGCTGCCCGAGGACCCGCGCTGCTGGCGGCGACGGCCCGCTGGTC 480

QY 175 ATGCAAGAGCAGAAGATCAAGCAGGTCAAGTTCATGAGCTTCGTTTGGCGGAGCAGAC 234
Db 481 CTGGTCGACGACGAGTTCTCCACCGGCAACACGGTCTCTAAACACATCCGCGACCTGCAC 540

QY 235 CAATACAAAGGGCCGGAAGCATGTACGACGACACACGCCCATCTGGTCAAGGGCCACGGCCTG 294
Db 541 GAGCGCTATCCGCGCGGCGGTACGTGCTGCGCCCTCGTGGACATGCGCTCCCGCGCC 600

QY 295 GACCAACCGGCTTTGACAAATCAAGCAGTACCTTGGAGAGAGCTGCAAGATGGGC 354
Db 601 GACCTCGGGCGCTGGACGAGTTCCGCGCGAGATCGGTGCCCGGTGGACCTGATCACG 660

QY 355 GTCAAGCAGGATGTATCCAGCAGCGCGCGAGTGGTGGAGTCCACCGCGACGAATTT 414
Db 661 GCGCGCTCGGGACGGTGAAGCTGCCGAGGCGCTGCTGGAGAGGGGCGAGGCTGGTC 720

QY 415 GACTTNNCCAACTGCGCAC 437
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RESULT 3
US-10-156-761-1
; Sequence 1, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
; APPLICANT: OMURA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HORIKAWA, HIROSHI
; APPLICANT: SHIBA, TADAYOSHI
; APPLICANT: SAKAKI, YOSHIYUKI
; APPLICANT: HATTORI, MASAHIRA
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-262
; CURRENT APPLICATION NUMBER: US/10/156,761
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: JP 2001-204089
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: JP 2001-272697
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 1
; LENGTH: 9025608
; TYPE: DNA
; ORGANISM: Streptomyces avermitilis
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (4187715)
; OTHER INFORMATION: a, t, c, g, other or unknown
US-10-156-761-1

Query Match 8.4%; Score 50; DB 15; Length 9025608;
Best Local Similarity 47.1%; Pred. No. 0.00076;
Matches 152; Conservative 0; Mismatches 171; Indels 0; Gaps 0;

QY 115 ACCTTCTACGATAAGGTGCTGGCTGACCCGGAGTGTGCGCTTCTTGAGTCCCTGGAC 174
Db 7015347 ACCTCCCACTGCTGCTGCCGAGGACCCGCGCTGCTGGCGGCGACGGCCCGCTGGTC 7015406

QY 175 ATGCAAGAGCAGAAGATGAAGCAGGTCAAGTTCATGAGCTTCGTTTGGCGGAGCAGAC 234
Db 7015407 CTGGTCGACGACGAGTTCTCCACCGGCAACACGGTCTCTAACACCATCCGCGACCTGCAC 7015466

QY 235 CAATACAAAGGGCCGGAAGCATGTACGACGACACGCCCATCTGGTCAAGGGCCACGGCCTG 294

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Db 7015467 GAGCGCTATCCGGCGCGGTACGTCGTGTCGCTGTCGATCGCTCCCGCCG 7015526
QY 295 GACCACCGCATTTCAGACAGATCAGCAGTACCTTGGAGACGCTCAAGAGATGGC 354
Db 7015527 GACCTCGGCGCTGACAGAGTTCGCGCGGAGATCGGTCGCGGTGACCTGATCAG 7015586
QY 355 GTCAAGCAGGATGTGATCAGCAGCAGCGCGCGGAGTGGTGGATCCACCGCGACGAATTT 414
Db 7015587 GCGGCTCGGGACGCTGAAGCTGCGCGAGGCGGTGCTGGAGAGGGGAGGAGTGCTG 7015646
QY 415 GACTTNCACAACTGCCACC 437
Db 7015647 GCGCGCACGAGAGGCGCGTACC 7015669

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; Sequence 1, Application US/10470565
; Publication No. US20040126870A1
; GENERAL INFORMATION:
; APPLICANT: Societe des Produits Nestle S.A.
; TITLE OF INVENTION: NCC2705 - the genome of a Bifidobacterium
; FILE REFERENCE: 80290/NO
; CURRENT APPLICATION NUMBER: US/10/470,565
; PRIOR FILING DATE: 2003-07-29
; PRIOR APPLICATION NUMBER: EP 01102050.0
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 2256646
; TYPE: DNA
; ORGANISM: Bifidobacterium longum
US-10-470-565-1

Query Match 8.0%; Score 47.6; DB 17; Length 2256646;
Best Local Similarity 44.6%; Pred. No. 0.0027;
Matches 185; Conservative 0; Mismatches 230; Indels 0; Gaps 0;

QY 15 CCGCGCCACCAGCACCACAGAGACGGCGGAGGATCGGGCGCAAGAGCTGTTGA 74
Db 1432814 CGTCTCTACTTACCAGGAGGATGGCTATGAGTGGCCACAGGCAACCCCAAGAACGT 1432755

QY 75 TGACCTGGCGGCGAGAGGATGAGCTGGCGTTGACCTTACGATAAGTGCT 134
Db 1432754 CGATGAGAGAGCTGTGGCGTCTGAACCTGTCGTCGACCGGACCGTCGAGGAAGA 1432695

QY 135 GGCTGACCCCGAGCTGTGCGCTTCTTCGAGTCCCTGGACATGCAAGAGCAGAGATGAA 194
Db 1432694 GGCCATCAACAGACCGCCCAAGCAGTGAAGGGGAGCGGCAAGAAAGACATCACCATCA 1432635

QY 195 GCAGGTCAAGTTCATGAGCTTGTGTTGGCGAGCAGACCANTACAAGGGCGGAGCAT 254
Db 1432634 GTCTTCAAGCAGCAGACCGACCCACCCAGCTGTGGTGAACCGGCAAGCGGACGTCTT 1432575

QY 255 GTACGAGCAGCAGCCCATCTGTGCAAGGGCCACCGCTGGACACCGGCACTTTGACAA 314
Db 1432574 CTTGCGCGATTCCTCCGGTGTGCGTACGCCATCGCCAGACGATGTCAGTGGAA 1432515

QY 315 GATCAAGCAGTACTCTGGAGAGACGCTGCAAGAGATGGGCGTCAAGCAGATGTGATCA 374
Db 1432514 GCTCGGCAAGGACTTCATGAAAGTGCAGAACCGCATCGCCATCAAGAAAGCGGATTC 1432455

QY 375 GCAGCGCGCGAGTGTGGAGTCCACCGCGAGATTTGACTTCCCAACAAC 429
Db 1432454 GACCACCGAAGCCGTGCAAGGCGCATGCAAAAGCTCATGGACGCGGACCTAC 1432400

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RESULT 5
US-10-437-963-94550
; Sequence 1, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:

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; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Li, Ping
; APPLICANT: Barbazuk, Brad
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 94550
; LENGTH: 548
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_9282C.1
US-10-437-963-94550

Query Match 7.9%; Score 47.4; DB 17; Length 548;
Best Local Similarity 50.4%; Pred. No. 0.0022;
Matches 114; Conservative 0; Mismatches 112; Indels 0; Gaps 0;

QY 216 CGTGTTCGGGAGCAGACCAATACAAAGGCGGAGATGTACGACGACGCGCATCT 275
Db 194 CGTGTTCGGGCGCCGACCGCGGCGGATGTTCGCCGACCTCGCCCGCTG 253

QY 276 GGTCAAGGGCCACGGCTGGACACCGCCACTTTTGACAAAGATCAAGCAGTACCTTTGAGA 335
Db 254 GTCATGCTCCATGCTCACTTTCACGGAGGCGGTGACCATGACGAAGCGCGCGGGA 313

QY 336 GACGCTCAAGAGATGGCGGTCAAGCAGGATGTGATCAGACGCGCGCGGAGTGTGGA 395
Db 314 GAAGCTCTTCAAGTGTCTGACATGTACGAGGCGCCACCGCGACGCTCCCGGTGATCGA 373

QY 396 GTCCACCGCGACCAATTTGACTTCCCAACAACACTGGCGACCCCAAC 441
Db 374 GCGCTTCTCACCGCGGACGCGCAACACGACGCGCTGACC 419

RESULT 6
US-10-369-493-32038
; Sequence 32038, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xiaofeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 32038
; LENGTH: 1209
; TYPE: DNA
; ORGANISM: Thermobifida fusca
US-10-369-493-32038

Query Match 7.7%; Score 46.2; DB 16; Length 1209;
Best Local Similarity 55.2%; Pred. No. 0.00067;
Matches 90; Conservative 0; Mismatches 73; Indels 0; Gaps 0;

QY 248 GAAGCATGTACGACGACACGCGCCATCTGTGTCAGGGCGGCGGCGGACCGCCACT 307

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Db 86 GCACCTCTCTTTCGACGAAGTCTGTGGTGGAGCGCGCCGCGAGGACGACGACCTGT 145
Qy 308 TTGACAAGATCAAGCAGTACCTTGGAGAGACGCTGCAAGAGATGGGGCTCAAGCAGGATG 367
Db 146 TCGTCCAGCTCTTGGGAGACCGGGGTGACCGTGCATGAATTCGGCAGCTGCTCGCG 205
Qy 368 TGATCCAGCAGCGCGCGAGTGTGTGAGTCCACCCGCGACGA 410
Db 206 AGACTCTGCACATCCCGAGCGAGAGGTTTCATCTCGACGA 248

RESULT 7

US-10-437-963-69229
; Sequence 69229, Application US/10437963
; Publication No. US20040123343A1

GENERAL INFORMATION:

; APPLICANT: Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping

; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With

; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

; FILE REFERENCE: 38-21(53221)B

; CURRENT APPLICATION NUMBER: US/10/437,963

; CURRENT FILING DATE: 2003-05-14

; NUMBER OF SEQ ID NOS: 204966

; SEQ ID NO 69229

; LENGTH: 2209

; TYPE: DNA

; ORGANISM: Oryza sativa

; FEATURE:

; OTHER INFORMATION: Clone ID: PAT_MRT4530_69918C.1

US-10-437-963-69229

Query Match 7.7%; Score 45.8; DB 17; Length 2209;
Best Local Similarity 46.1%; Pred. No. 0.0014;
Matches 152; Conservative 0; Mismatches 178; Indels 0; Gaps 0;

Qy 110 TTGACACCTTCTACGATAGGTGCTGCTGACCCGAGGTGCTGCCCTTTCGAGTCCC 169
Db 400 TCGACTACGTGTGTCTACAGCGACCGACGACCGGAAGTCCCGACCGACCTGTGGCGG 459
Qy 170 TGGACATGCAAGACGAGATGACAGGTCAAGTTCATGACTTCTGTTTGGCGGAG 229
Db 460 AGATCATCCAGCGGAAACAGCTGTGGGCTGGAGAGTACAAAGTTCCTCCTCAAGTCA 519
Qy 230 CAGACCAATACAAGGGCGGAGCATGTATCCAGCAGCACACGCCCATCTGGTCAAGGGCCAG 289
Db 520 TCGTCAACTCCGCTCGGCGAGGACCTTACCGGCCCGGAAACATCATCGGCGGGCGG 579
Qy 290 GCTTGGACCAACCGCACTTTGACAGATCAGCAGTACCTTGGAGAGAGCTGCAAGAGA 349
Db 580 ACGCCGCCCGCCCGCTCGCGAGGGGATGAGGAGATGACAGAGAGCTTCCACGCGG 639
Qy 350 TGGCGGTCAAGCAGGATGTGATCCAGCAGCGCCCGCGAGTGTGGAGTCCACCCGCGAGC 409
Db 640 TGCTCGACGAGCTGTTTCGCGCGCTCGTCCGCGCGCGGCGCGGCTCCGCCCGCGG 699
Qy 410 AATTGACTTNCACAACTGGGACCCA 439
Db 700 ACGTCGACCTCTCTCGTCAACGTGTCCA 729

RESULT 8

US-10-437-963-97363/C
; Sequence 97363, Application US/10437963
; Publication No. US20040123343A1

GENERAL INFORMATION:

; APPLICANT: La Rosa, Thomas J.

; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 97363
; LENGTH: 2238
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_95374C.1
US-10-437-963-97363

Query Match 7.6%; Score 45.2; DB 17; Length 2238;
Best Local Similarity 50.2%; Pred. No. 0.0017;
Matches 110; Conservative 0; Mismatches 109; Indels 0; Gaps 0;

Qy 216 CGTGTTCGCGGAGCAGACCAATACAGGGCGGAGAGTGTACGACGACACGCGCCATCT 275
Db 1249 CGTGTTCGCGGCTGCGACCGCGCGCTCGCGCGCCCATCTTCGTGACCTCGCCCGCTG 1190
Qy 276 GGTCAAGGGCCACGCGCTGACCGCCACTTTGACAAGATCAAGCAGTACCTTGGAGA 335
Db 1189 CGCATGCTCCAGATGCTCACTTACCGAGCGCGTGGCATGACGAGCGCGCGCGCA 1130
Qy 336 GACGCTCAAGAGATGGCGCTCAAGCAGGATGTGATCCAGCACCGCGCGAGTGGTGA 395
Db 1129 GAAGCTCTTCAAGGTGCTCGACATGTACGAGCGCTCGCGACCGCGCCCGCTCATCGA 1070
Qy 396 GTCCACCGCGACGAATTTGACTTNCACCAACTGGCG 434
Db 1069 GCGCTTGTATCGCGCTGCTCCACCGACGCGCGCGC 1031

RESULT 9

US-10-437-963-35783
; Sequence 35783, Application US/10437963
; Publication No. US20040123343A1

GENERAL INFORMATION:

; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping

; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With

; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

; FILE REFERENCE: 38-21(53221)B

; CURRENT APPLICATION NUMBER: US/10/437,963

; CURRENT FILING DATE: 2003-05-14

; NUMBER OF SEQ ID NOS: 204966

; SEQ ID NO 35783

; LENGTH: 1445

; TYPE: DNA

; ORGANISM: Oryza sativa

; FEATURE:

; OTHER INFORMATION: Clone ID: PAT_MRT4530_39672C.1

US-10-437-963-35783

Query Match 7.4%; Score 44.4; DB 17; Length 1445;
Best Local Similarity 46.5%; Pred. No. 0.0026;
Matches 141; Conservative 0; Mismatches 162; Indels 0; Gaps 0;

139 GACCGGAGTGTGCTGCTTCTTTCGAGTCCCTGGACATCAAGAGCAGAGATGAAGCAG 198
167 GACCGCTCGAGTGTGCGGACGACCTGACCGGAGCTCGGAGTTCGAGCCGAGCTG 226
199 GTCAAGTTCATGAGTCTGCTGTTTGGCGAGCAGACCAATACAAAGGCGGAGATGTAC 258
227 GCCAGTGGCGCGCGGCGCAACCGGCGTCTGTCAGGTGACGCGGTGACGAGGAC 286
259 GACGACAGCCCATCTGCTCAAGGCGCAGCGCTTGGACACCGCACTTTCACAGATC 318
287 GAGCGGTGACGACATGTGTATGACCTTCTGTCGCGCCCGACCTGCTGACGTGATC 346
319 AAGCAGTACTTTCGAGAGACGCTGCAAGAGATGGCGTCAAGCAGGATGTATCAGAC 378
347 CGCTCCGCGCGCGCGCGCTCCGAGCGCTGCGCGCGCGCTGCTGCGGAGTCTC 406
379 GCGCGCGGAGTGTGAGTCCACCGCGAGCAATTTGACTTNCCTCAACAACTGCGCAC 438
407 GCGAGGCGCTGCGGCACTGCCACCGCGGCGTCCGCGGAGTCAAGCGCCGAC 466
439 AAC 441
467 AAC 469

RESULT 10

US-10-389-566-49/c
; Sequence 49, Application US/10389566
; Publication No. US20040025202A1
; GENERAL INFORMATION:
; APPLICANT: Monsanto Technology, LLC
; APPLICANT: Laurie, Cathy C
; TITLE OF INVENTION: Nucleic Acid Molecules Associated with Oil in Plants
; FILE REFERENCE: 38-77(52900)D
; CURRENT APPLICATION NUMBER: US/10/389,566
; CURRENT FILING DATE: 2003-03-31
; PRIOR APPLICATION NUMBER: US 60/365,301
; PRIOR FILING DATE: 2002-03-15
; PRIOR APPLICATION NUMBER: US 60/391,786
; PRIOR FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/392,018
; PRIOR FILING DATE: 2002-06-26
; NUMBER OF SEQ ID NOS: 2459
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 49
; LENGTH: 1000
; TYPE: DNA
; ORGANISM: Zea mays
US-10-389-566-49

Query Match 7.4%; Score 44.2; DB 17; Length 1000;
Best Local Similarity 53.8%; Pred. No. 0.0027;
Matches 91; Conservative 0; Mismatches 78; Indels 0; Gaps 0;
66 GCTGTTTGATGACTGGCGGCGGAGAGCATGAAGTGGCGGTGACACCTTCTACGA 125
676 GCAGTTATCGCGCGGTCCACGCGCGCGGAGATGCTCACGGTAGAGGGCTACCA 617
126 TAAGTGCTGCTGACCCGAGTGTGCTGCTTTCGATCCCTGACATGCAAGACA 185
616 CATGCTGCTGCGGAGCGAAGCGCTGTCCGCGCGGAGATCTGGGTTGCACCGCCC 557
186 GAGCATGACGAGTCAAGTTCATGAGTTCGTTGTTGGCGGAGCAGAC 234
556 GACCTCAAGAGTCGAGGAGGTGGCGCGGTGTTGTTGTCGCGGAC 508

RESULT 11

US-10-369-493-39791
; Sequence 39791, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei

; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 39791
; LENGTH: 1377
; TYPE: DNA
; ORGANISM: Xanthomonas campestris
US-10-369-493-39791

Query Match 7.4%; Score 44.2; DB 16; Length 1377;
Best Local Similarity 48.2%; Pred. No. 0.003;
Matches 124; Conservative 0; Mismatches 133; Indels 0; Gaps 0;
QY 151 CTGCCCTTCTTCGAGTCCCTGGACATGCAAGAGCAGAGATGAAGCAGGTCAAGTTCATG 210
DB 784 CTGCCCGCTAGTGTGGTGGCGGCGGAGGCTGTTTCCAGCAGGAGTTGCTG 843
QY 211 AGCTTCGTTTGGCGGAGCAGACCAATACAGGGCGGAGCATGTACGACGACGCC 270
DB 844 GACCTGTTTCGACGTCAAGGACGTCAATTTCCAAGCGCGCGCTGGAGCATGGCCAAGTC 903
QY 271 CATCTGTCAAGGGCCACGGCTGTGACCCACCGCACTTTGACAAGATCAAGCAGTACCTT 330
DB 904 GGCTGGTGTATCAGCATTAATTTGAGACCCAGCAGCCGCGGAGCATCGCGCGAGCTG 963
QY 331 GGAGAGACGCTGCAAGAGATGGCGTCAAGCAGGATGTATTCAGCAGCGCGCGGAGTG 390
DB 964 GAATACCACTCCGCAAGCTGGGCAATGATGTGGCGCGCGCGCGCTGCCGATGTG 1023
QY 391 GTGGAGTCCACCGCGA 407
DB 1024 GTGGTGGCGCTGCGCGA 1040

RESULT 12

US-10-369-493-39403
; Sequence 39403, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 39403
; LENGTH: 1395
; TYPE: DNA
; ORGANISM: Xanthomonas campestris
US-10-369-493-39403

Query Match 7.4%; Score 44.2; DB 16; Length 1395;
Best Local Similarity 48.2%; Pred. No. 0.003;
Matches 124; Conservative 0; Mismatches 133; Indels 0; Gaps 0;
QY 151 CTGCCCTTCTTCGAGTCCCTGGACATGCAAGAGCAGAGATGAAGCAGGTCAAGTTCATG 210

Df 793 CTGGCCCGCTAGTTGGTGGATCGCATCGGCACAGAGCTGTTACGCCACGAGGAGTTGGTG 852
QY 211 AGCTTCGTGTTTGGCGGAGCAGACCAATACAAAGGCGCGAAGCATGTAGCAGCACAGGCC 270
Df 853 GACCTGTTTCGAGCTCAAGGAGCTCAATTCCAAAGCGCGCGCTGGACATGCCCAAGCTC 912
QY 271 CATCTGTTCAAGGCGCAGCTGAGCAGCAGCCACCTTTGACAGATCAAGCATACCTT 330
Df 913 GGCTGGTGAATCAGCATTAATTGAAGACCGACGACCGCGCCAGCATCGCGCCAGCTG 972
QY 331 GGAGAGAGCTGCAAGAGATGGCGGTCAAGCAGGATGTATCCAGCAGCGCGCGGAGTG 390
Df 973 GAATACAGCTCCGCAAGCTGGGCATTGATGCGCGCGCGCGCGCTGCGGATGTG 1032
QY 391 GTGGAGTCCACCGCGA 407
Df 1033 GTGGTGGCGCTGCGCGA 1049

RESULT 13

US-10-369-493-39036
; Sequence 39036, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:

; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng

; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B

; CURRENT APPLICATION NUMBER: US/10369,493
; PRIOR FILING DATE: 2003-02-28

; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21

; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 39036

; LENGTH: 1404
; TYPE: DNA

; ORGANISM: Xanthomonas campestris
US-10-369-493-39036

Query Match 7.4%; Score 44.2; DB 16; Length 1404;
Best Local Similarity 48.2%; Pred. No. 0.003;
Matches 124; Conservative 0; Mismatches 133; Indels 0; Gaps 0;

QY 151 CTGCGCTTCTCGAGTCCCTGGACATGCAAGAGCAGAGATGAAGCAGGTCAAGTTCATG 210
Df 793 CTGGCCCGCTAGTTGGTGGCATGGCGACAGAGCTGTTACGACGAGGAGTTGCTG 852
QY 211 AGCTTCGTGTTTGGCGGAGCAGACCAATACAAAGGCGCGAAGCATGTACGACGACACAGCC 270
Df 853 GACCTGTTGACGTCAAGGAGCTCAATTCCAAAGCGCGCGCTGGACATGGCCAGCTC 912
QY 271 CATCTGTTCAAGGCGCAGCTGAGCAGCCACCTTTGACAGATCAAGCATACCTT 330
Df 913 GGCTGGTGAATCAGCATTAATTGAAGACCGACGACCGCGCCAGCATCGCGCCAGCTG 972
QY 331 GGAGAGAGCTGCAAGAGATGGCGGTCAAGCAGGATGTATCCAGCAGCCGCGCGGAGTG 390
Df 973 GAATACAGCTCCGCAAGCTGGGCATTGATGTGCGCGCGCGCGCGCTGCGGATGTG 1032
QY 391 GTGGAGTCCACCGCGA 407
Df 1033 GTGGTGGCGCTGCGCGA 1049

RESULT 14

US-10-389-566-235
; Sequence 235, Application US/10389566
; Publication No. US20040025202A1
; GENERAL INFORMATION:

; APPLICANT: Monsanto Technology, LLC
; APPLICANT: Laurie, Cathy C
; TITLE OF INVENTION: Nucleic Acid Molecules Associated with Oil in Plants
; FILE REFERENCE: 38-77(52900)D
; CURRENT APPLICATION NUMBER: US/10389,566
; CURRENT FILING DATE: 2003-03-31
; PRIOR APPLICATION NUMBER: US 60/365,301
; PRIOR FILING DATE: 2002-03-15
; PRIOR APPLICATION NUMBER: US 60/391,786
; PRIOR FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/392,018
; PRIOR FILING DATE: 2002-06-26
; NUMBER OF SEQ ID NOS: 2459
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 235
; LENGTH: 2055
; TYPE: DNA
; ORGANISM: Zea mays
US-10-389-566-235

Query Match 7.4%; Score 44.2; DB 17; Length 2055;
Best Local Similarity 53.8%; Pred. No. 0.0034;

Matches 91; Conservative 0; Mismatches 78; Indels 0; Gaps 0;

QY 66 GCTGTTTGTATGACCTGGCGGCGGAGAGGATGAAGCTGGGTTGACACCTTCTACGA 125
Df 930 GCAGTTTCATCGCGCGGTCCAGCGCGCGGAGATGCTACGGTAGAGGCTACACGA 989
QY 126 TAAGTGTGCTGTGATCCCGGAGTCTGCTCCCTTCTTCGAGTCCCTGACATGCAAGAGCA 185
Df 990 CATGCTGTGCGGAGGCGGAGGCGCTCTCGCGCGGAGATCTGCGTTCACCGCCCC 1049
QY 186 GAGATGAGCAGGTCAAGTTTCATGAGTCTGTTGCGGAGAGAC 234
Df 1050 GACGCTCAAGAGTCGAGGAGGTGGCGCGCTGTTCTGTCGCCGAC 1098

RESULT 15

US-10-437-963-7459
; Sequence 7459, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:

; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei

; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping

; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B

; CURRENT APPLICATION NUMBER: US/10437,963
; CURRENT FILING DATE: 2003-05-14

; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 7459

; LENGTH: 1368
; TYPE: DNA

; ORGANISM: Oryza sativa
; FEATURE:

; OTHER INFORMATION: Clone ID: PAT_MRT4530_14051C.1
US-10-437-963-7459

Query Match 7.4%; Score 44; DB 17; Length 1368;
Best Local Similarity 46.0%; Pred. No. 0.0034;

Matches 149; Conservative 0; Mismatches 175; Indels 0; Gaps 0;

QY 1 CGCGTGGCTGACAGCGCGGCACACAGAGCGGGAAGCGGATCGGGCGC 60
Df 535 CGCGTCTCTCGACGAGTACCTCGACCGCGCTGACATGTTGGACGCTGCGCATGTC 594
QY 61 AAGAAGCTGTTTGTATGACCTGGCGGCGGAGAGGATGAAGCTGGCGGTTGACACCTTC 120

Db	595	GAGGAGCTCGGAGTACTTCGCCACGACAAACCGCGCGGAGCGCGCTCCGCACTCCGGG	654
Qy	121	TACGATAAGGTGCTGGCTGACCCGGAGCTGCTGCCCTTCTTCGAGTCCCTGGACATGCAA	180
Db	655	CTGGCAAGGCCATCGGCGTCCCGAGCTCGGCGACTCTTCGCCGGGCGCAAGACCTTC	714
Qy	181	GAGCAGAAGATGAAGCAGGTCAAAGTTTCATGAGCTTCGTGTGTTGGCGGAGCAGACCAATAC	240
Db	715	TCCGAGGCGATCGACGACATCAAGCCACACCCGCGTCTCGCCGCGGCGAGGTGTCC	774
Qy	241	AAGGCGCGAAGATGTACGACGACAGCCCATCTGTGTCAGGGCCACGGCTTGACCCAC	300
Db	775	AAGATCCGCGCATGTCCGACGCTGGGGCTGGCCCATCCACCGCTCGACGCTCCGAC	834
Qy	301	CGCCACTTTGACAAAGATCAAGCAG	324
Db	835	ACAGTCGCGCCAGGCTCACGCG	858

Search completed: July 21, 2004, 08:58:32
Job time : 374 secs

